

Claims

1. A convection oven for use in a vehicle, having an oven cavity with an air inlet and an air outlet, an air feed conduit for feeding an air feed into the oven cavity through the air inlet and a heating arrangement for heating the air feed before it is fed into the oven cavity, the heating arrangement comprising a heating device that is electrically powered and being arranged to maintain a temperature of at least 130°C in the oven cavity.
- 5
- 10 2. An oven according to claim 1, wherein the heating arrangement comprises a first heating device and a second heating device.
3. An oven according to claim 2, wherein the air feed is heated by the first and second heating devices in series.
- 15 4. An oven according to claim 2, wherein one of said first and second heating devices comprises electrically powered heater elements which are located within the air feed conduct.
5. An oven according to claim 1, wherein the first heating device and/or the second heating device can be connected to a vehicle motor and can be powered thereby.
- 20
6. An oven according to claim 1, wherein the first and second heating devices can be powered by power means present on a vehicle motor.
- 25 7. An oven according to claim 1, wherein at least one of the first and second heating devices comprises a combustion device for generating hot combustion gases which can be used to heat the air feed.

8. An oven according to claim 7, comprising heat exchange means for passing the hot combustion gases in heat exchange relationship with the air feed.
9. An oven according to claim 1, further comprising a control device arranged to permit regulation of said first and second heating devices to obtain a desired temperature with the oven cavity.
5
10. An oven according to claim 1, further comprising adapter means arranged to permit at least a part of the heating arrangement to be selectively supplied with mains power when desired.
10
11. An oven according to claim 1, wherein the arrangement is configured such that the oven cavity can be maintained at a temperature of at least 150°C.
15
12. An oven according to claim 1, wherein the volume of the oven cavity is not more than 0.15m³.
15
13. An oven according to claim 1, wherein the heating arrangement can generate a temperature of at least 130°C when the oven contains 10kg of food in individual portions of about 400g.
20
14. A vehicle comprising an oven according to claim 1.
15. A vehicle according to claim 14, wherein the vehicle is powered by an internal combustion engine.
16. A vehicle according to claim 14, wherein there is provided a combustible fuel.
25
17. A vehicle according to claim 14, wherein the vehicle has an internal combustion engine and the oven is heatable in part from an electrical current derived from said

engine.

18. A vehicle according to claim 14, comprising two ovens.

19. A vehicle according to claim 18, wherein each oven
comprises a respective heating and control arrangement.

5 20. A vehicle according to claim 18, wherein the ovens are
heated by a common heating arrangement.